

D4 symmetry classes

0	0 0 0 0 0 0 0 0 0
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2	0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
3	0 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 1 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
4	0 0 0 0 0 1 1 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 1 1 0 0 0 0 0
5	0 0 0 0 0 1 1 0 0 1 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 1 0 0 1 1 0 0 0 0 0
6	0 0 0 0 0 0 0 1 0 0 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 0 0 1 0 0 0 0 0 0 0
7	0 0 0 0 0 0 0 1 1 1 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 1 1 0 0 0 0 0 0 0
8	0 0 0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 1 0 0 0 1 0 0
9	0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 1 0 1 1 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 1 0 1 1 0 1 0 1 1 0 0 1 1 1 0 0 0 0 0 0 0 1 0
10	0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 1 1 1 0 0 1 1 0 0 0 1 1 0 0 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 0 0 1 1 1 0 0 1 1 0 1 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0
11	0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 1 1 0 1 1 1 1 1 1 0 0 1 1 0 0 0 0 1 0 0 1 1 0 0 1 0 0 0 0 1 1 0 0 1 1 1 1 1 1 0 1 1 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0
12	0 0 0 0 1 0 0 0 0

13	0 0 0 0 0 0 0 0 1 1 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 1 0 0 0 0 0 0 0 0
14	0 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 1 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0
15	0 0 0 0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 0 1 1 0 0 1 0 0 1 0 0 1 1 1 1 0 0 1 1 0 1 1 0 0 1 0 0 1 1 1 1 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0
16	0 0 0 0 0 1 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 1 0 0 0 0 0
17	0 0 0 0 0 1 1 0 0 1 1 1 0 1 0 0 1 1 1 1 0 0 1 0 1 1 1 0 0 1 1 0 0 0 0 0
18	0 0 0 0 0 0 0 1 0 0 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 0 0 1 0 0 0 0 0 0 0
19	0 0 0 0 0 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 1 1 1 1 0 0 0 0 0 0 0
20	0 0 0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 1 1 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 0 1 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 1 0 0 0 1 0 0
21	0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 1 0 1 1 0 1 1 1 0 0 1 1 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 1 1 0 0 1 0 1 0 1 1 0 1 0 1 1 0 0 1 1 1 0 0 0 0 0 0 0 1 0 0
22	0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 1 1 1 0 0 1 1 0 0 1 1 1 1 0 0 1 1 0 1 1 1 1 0 1 1 0 1 1 0 0 1 1 1 1 0 0 1 1 0 1 0 0 0 1 1 0 0 0 0 0 0 1 0 0 0 0
23	0 0 0 0 0 0 0 0 1 0 1 1 1 0 0 1 1 0 1 1 1 1 1 1 0 1 1 1 1 0 0 1 1 0 1 1 1 1 0 1 1 0 0 1 1 1 1 0 1 1 1 1 1 1 0 1 1 0 0 1 1 1 0 1 0 0 0 0 0 0 0 0
24	0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0
25	0 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 1 1 1 0 0 1 1 0 1 0 1 1 0 1 1 0 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 1 1 0 0 1 0 0 0 0 0 1 0
26	0 0 0 0 1 0 0 1 0 0 1 0

	1 0 1 0 0 1 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0
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36	0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 0 1
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42	0 0 1 1 0 0 0 1 0 0 1 0 1 0 0 0 0 1
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